INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/22009

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B62J 17/00 US CL : 296/78.1				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 296/78.1, 180.1				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate, o	of the relevant passages	Relevant to claim No.
A	US 3,836,176 (Ylvisaker) 17 September 1974 (17.09.	1974)		
A	US 4,655,497 (Mallett) 7 April 1987 (07.04.1987)			
Α	US 6,155,369 (Whittaker) 5 December 2000 (05.12.2000)			
A	US 6.203,093 (Suzuki et al.) 20 March 2001 (20.03.02001)			
A	US 6,231,104 (Roethel) 15 May 2001 (15.05.2001)			
			·	
Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents:			later document published after the inter	
"A" document defining the general state of the art which is not considered to be of particular relevance			date and not in conflict with the applica principle or theory underlying the inver-	ntion
"E" earlier application or patent published on or after the international filing date		"X"	X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
"O" documen	t referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of m	ailing of the international searc	h report
09 August 2005 (09.08.2005)				
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450		Authorized officer Wildermulb Kiran B. Patel		
Alexandría, Virginia 22313-1450		Telephon	e No. 571-272-6665	
Facsimile No. (703) 305-3230				

Form PCT/ISA/210 (second sheet) (January 2004)